

Figure 1A WAP Architecture (Prior art)

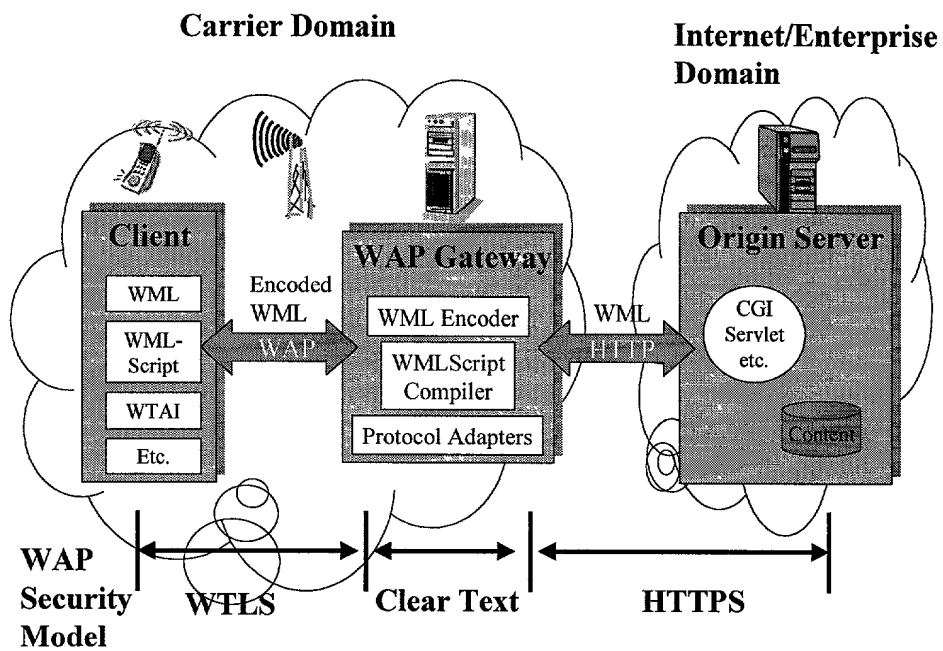


Figure 1B Security Hole in the Existing WAP Architecture (Prior Art)

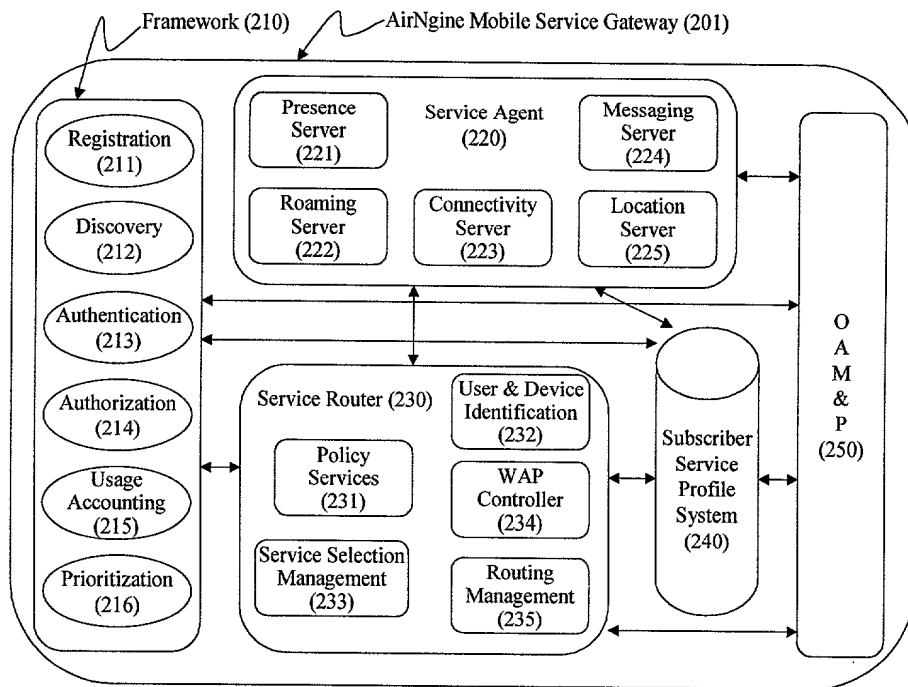


Figure 2 AirNgin Mobile Service Gateway (201) Block Diagram

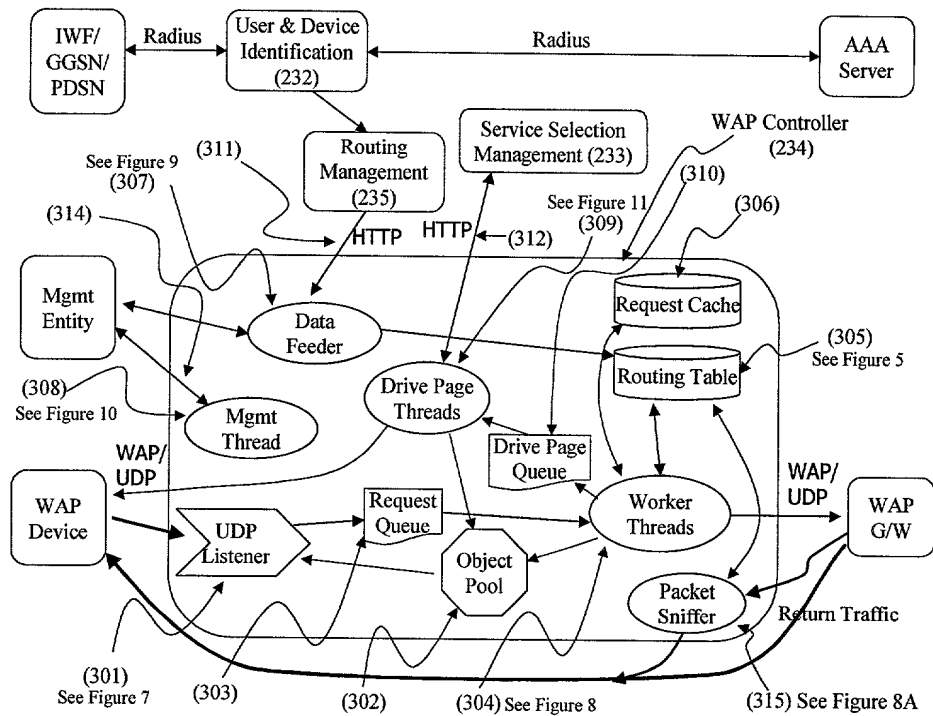


Figure 3 WAP Controller (234) Block Diagram

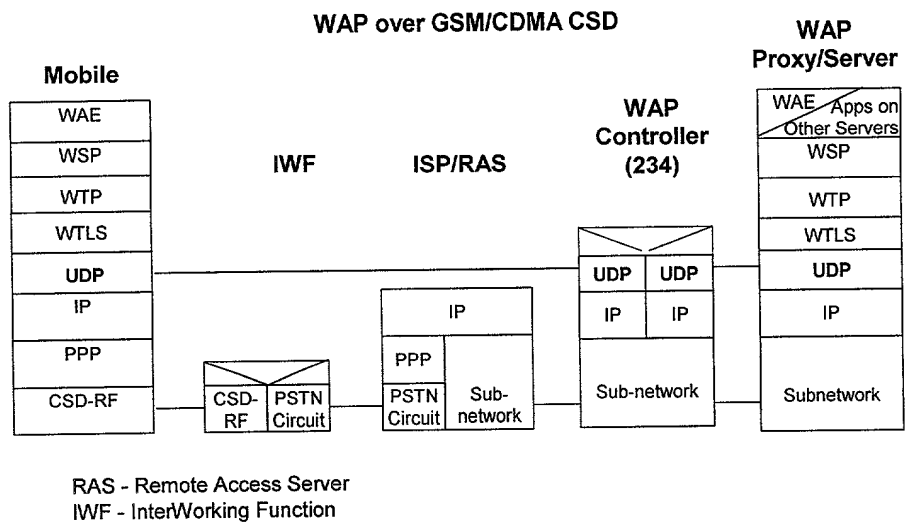


Figure 4 WAP Controller (234) Protocol Stack

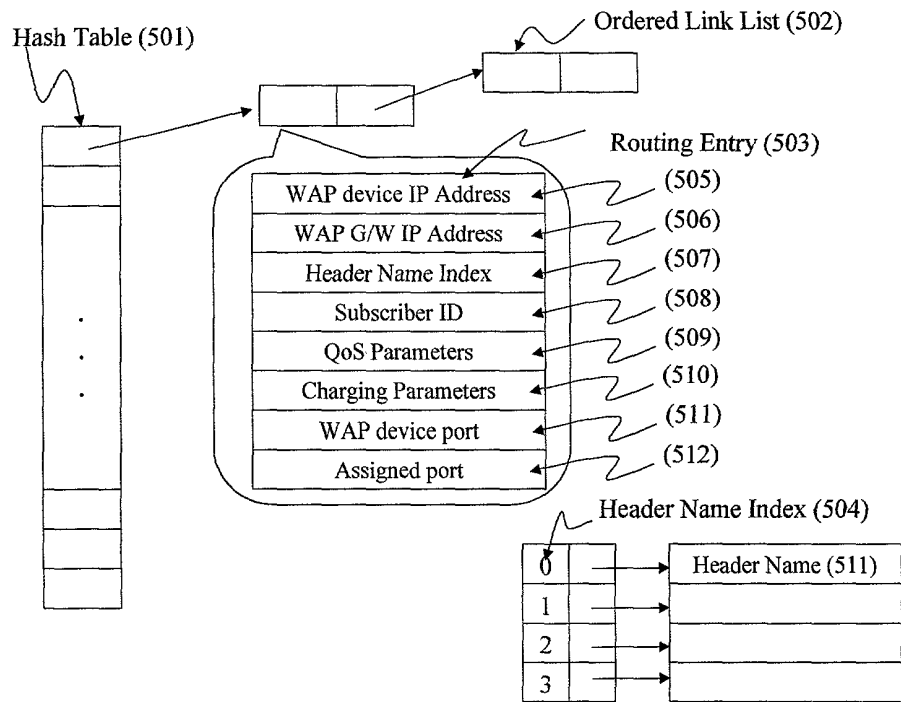


Figure 5 WAP Controller (234) Routing Table (305) Data Structure

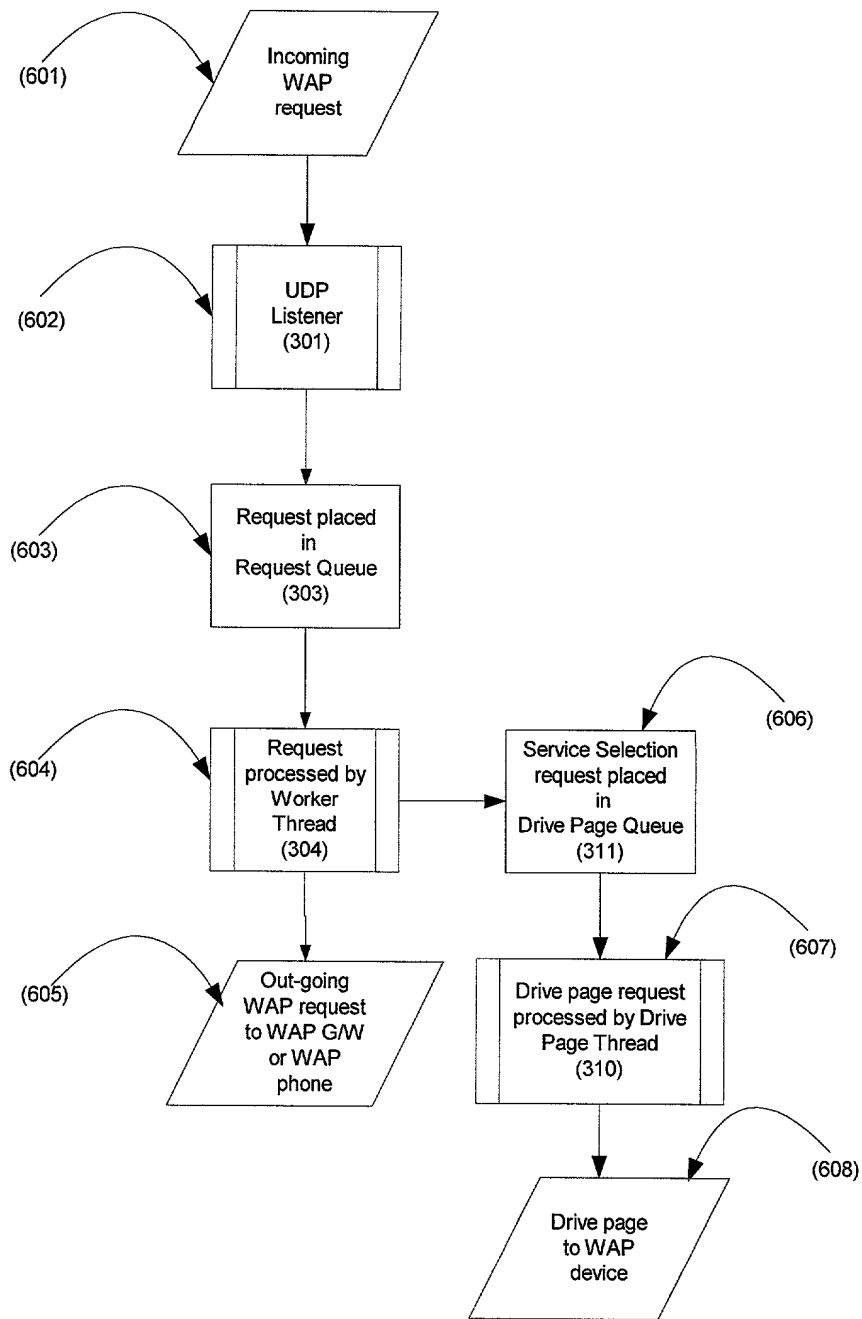


Figure 6. WAP Controller (234) Overall Flow Chart

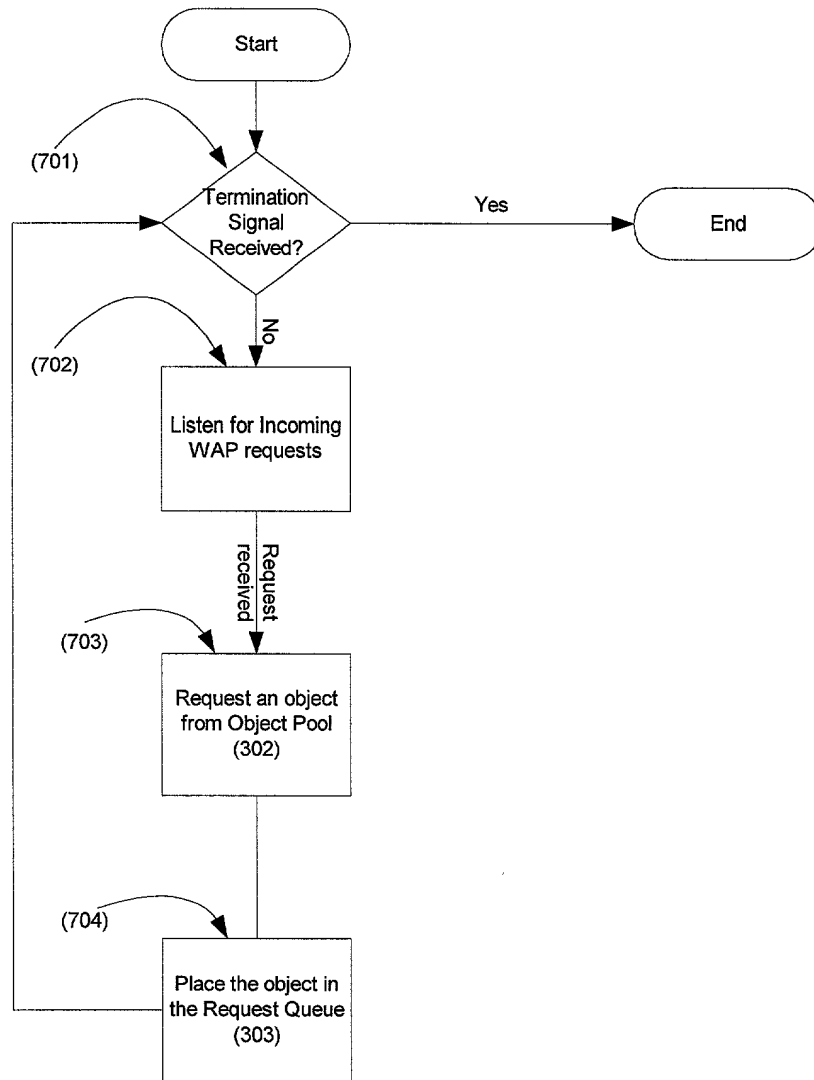


Figure 7. UDP Listener Thread (301) Flow Chart



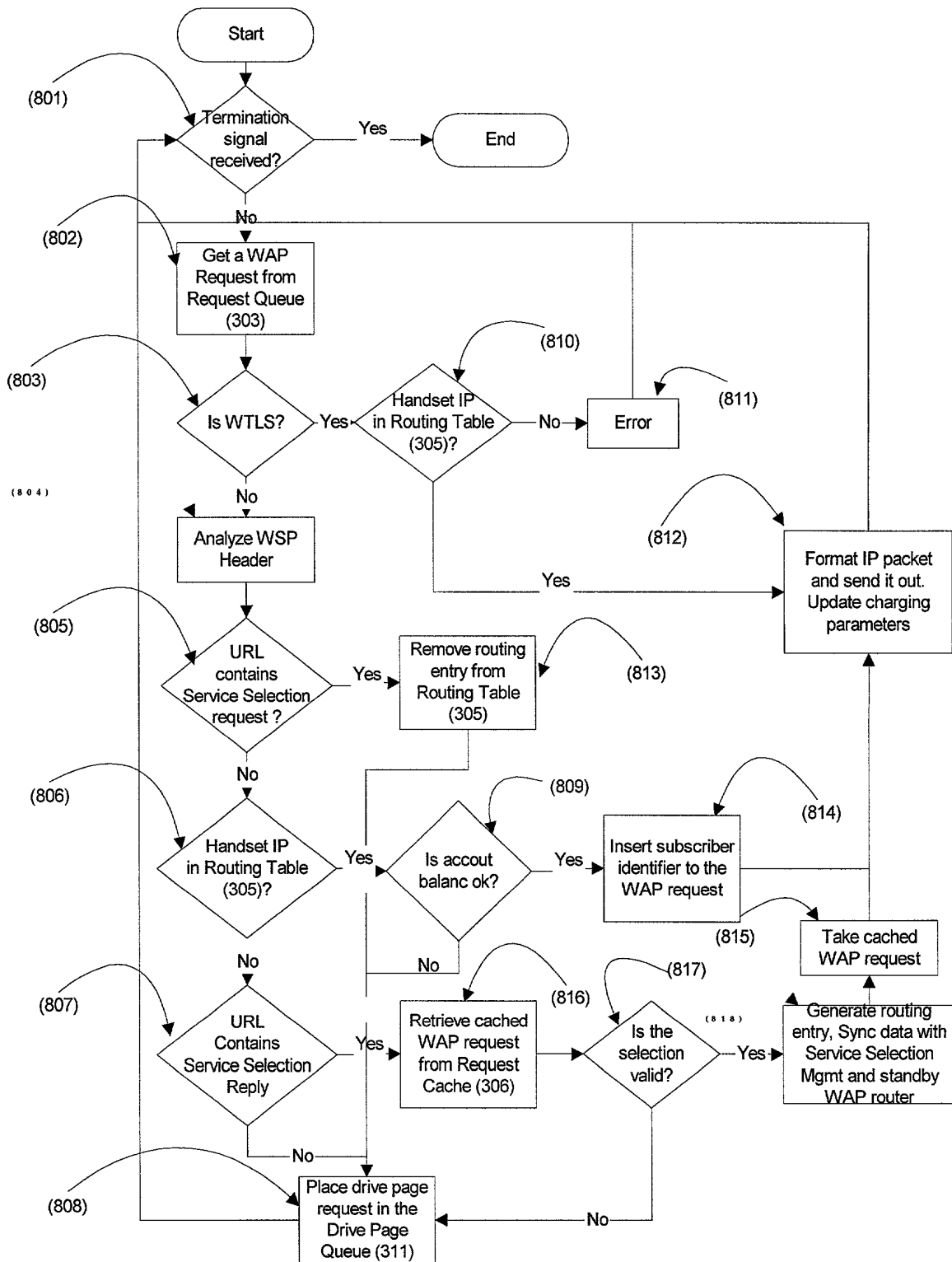


Figure 8 Flow Chart of Worker Thread (304)

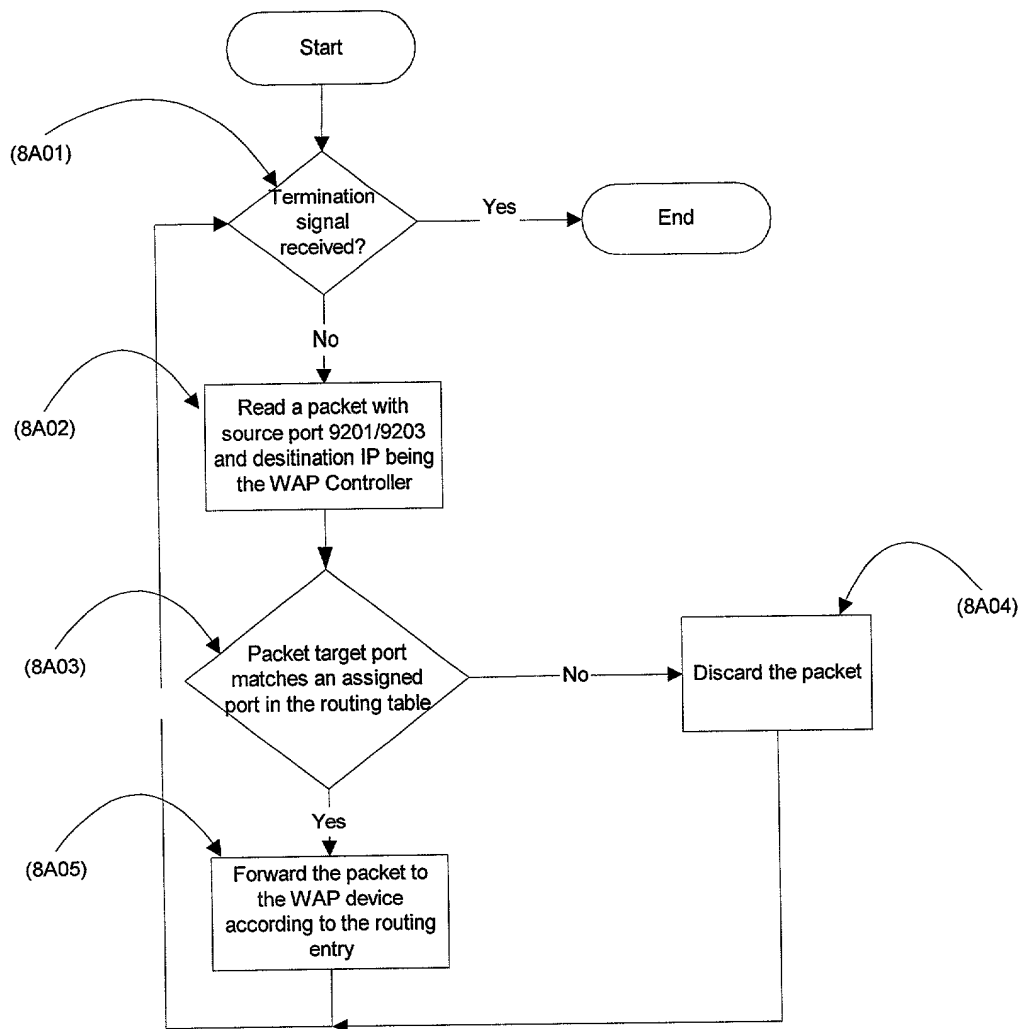


Figure 8A Flow Chart of Packet Sniffer Thread (315)

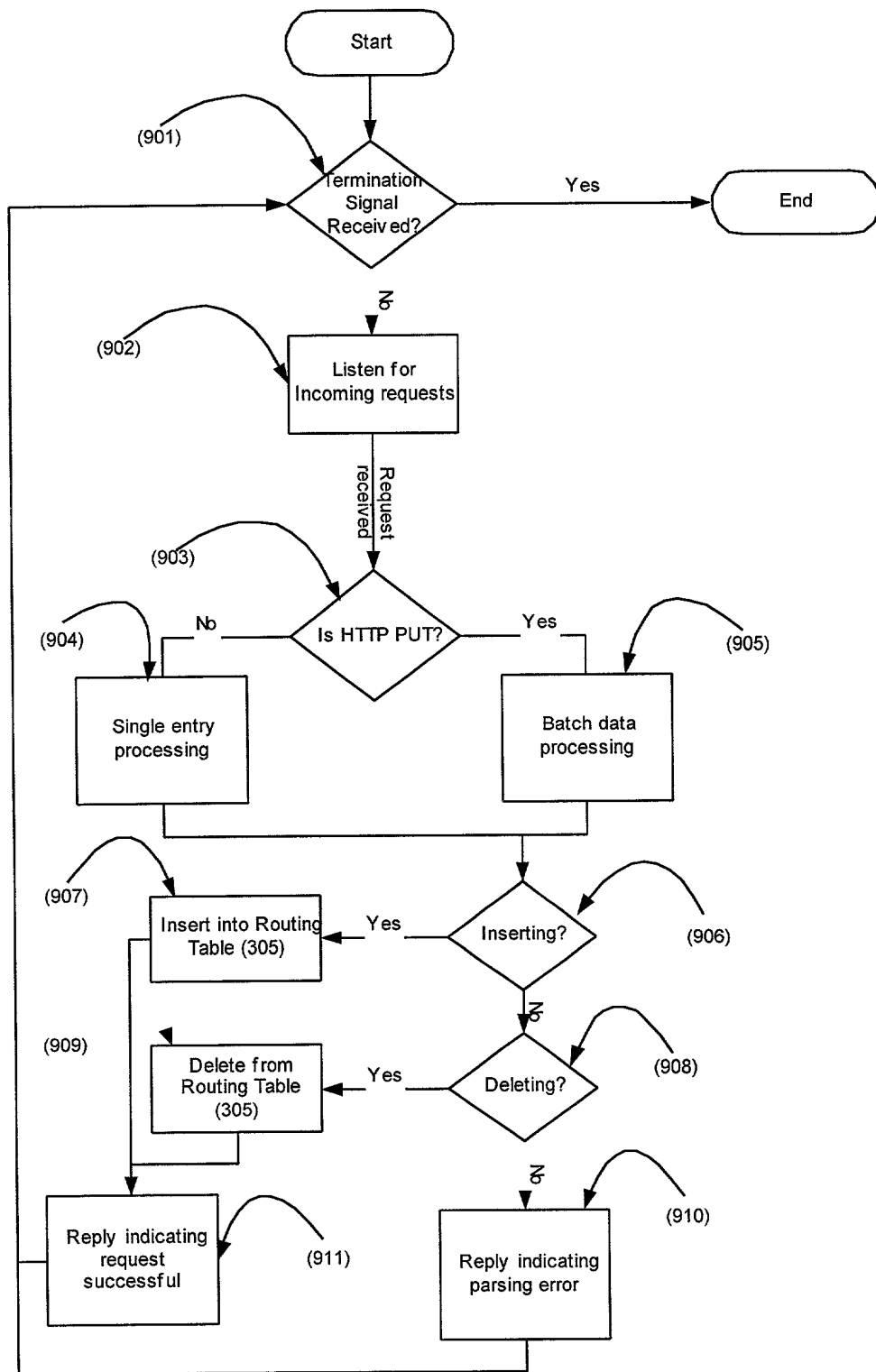


Figure 9 Data Feeder Thread (307) Flow Chart

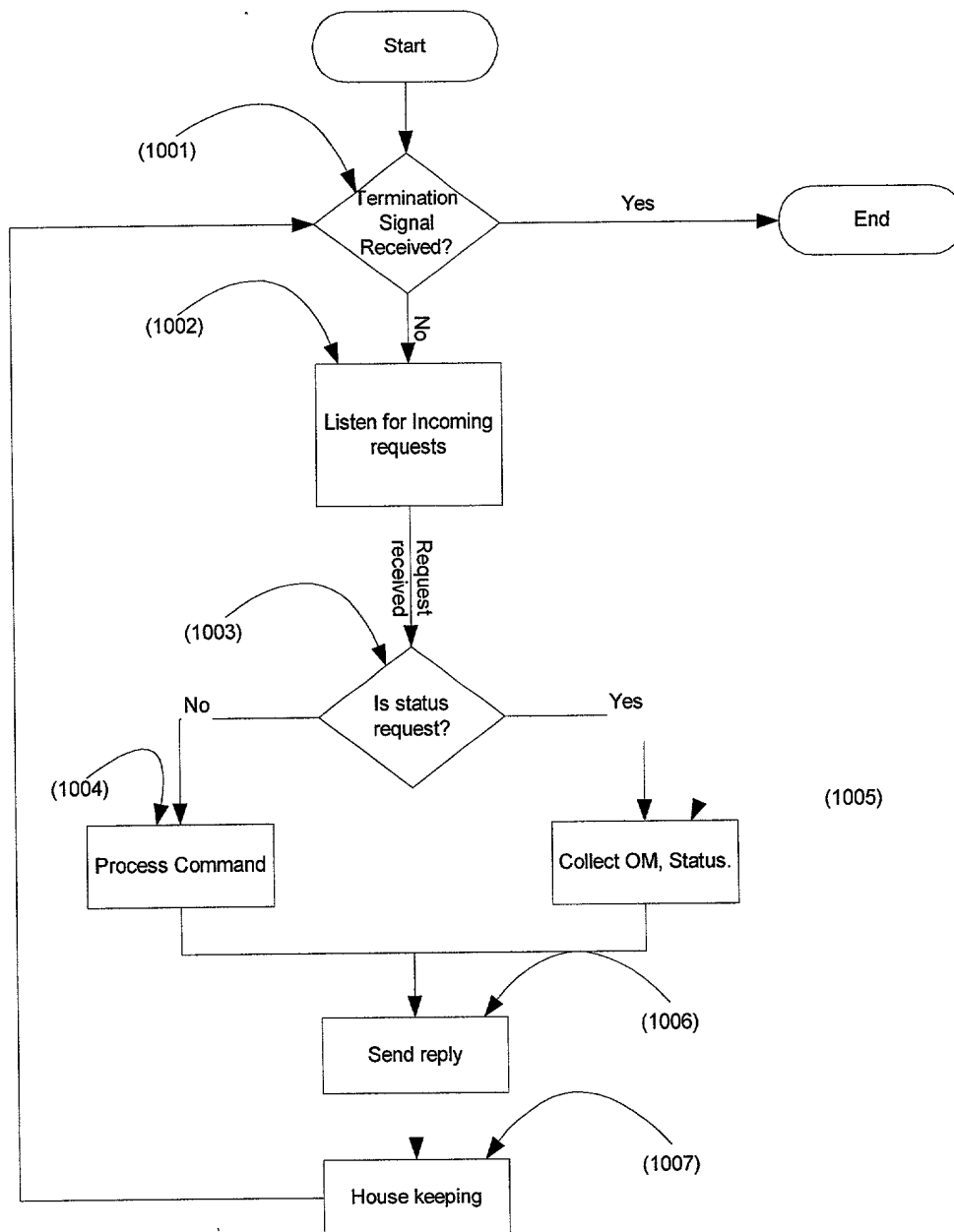


Figure 10. Management Thread (308) Flow Chart

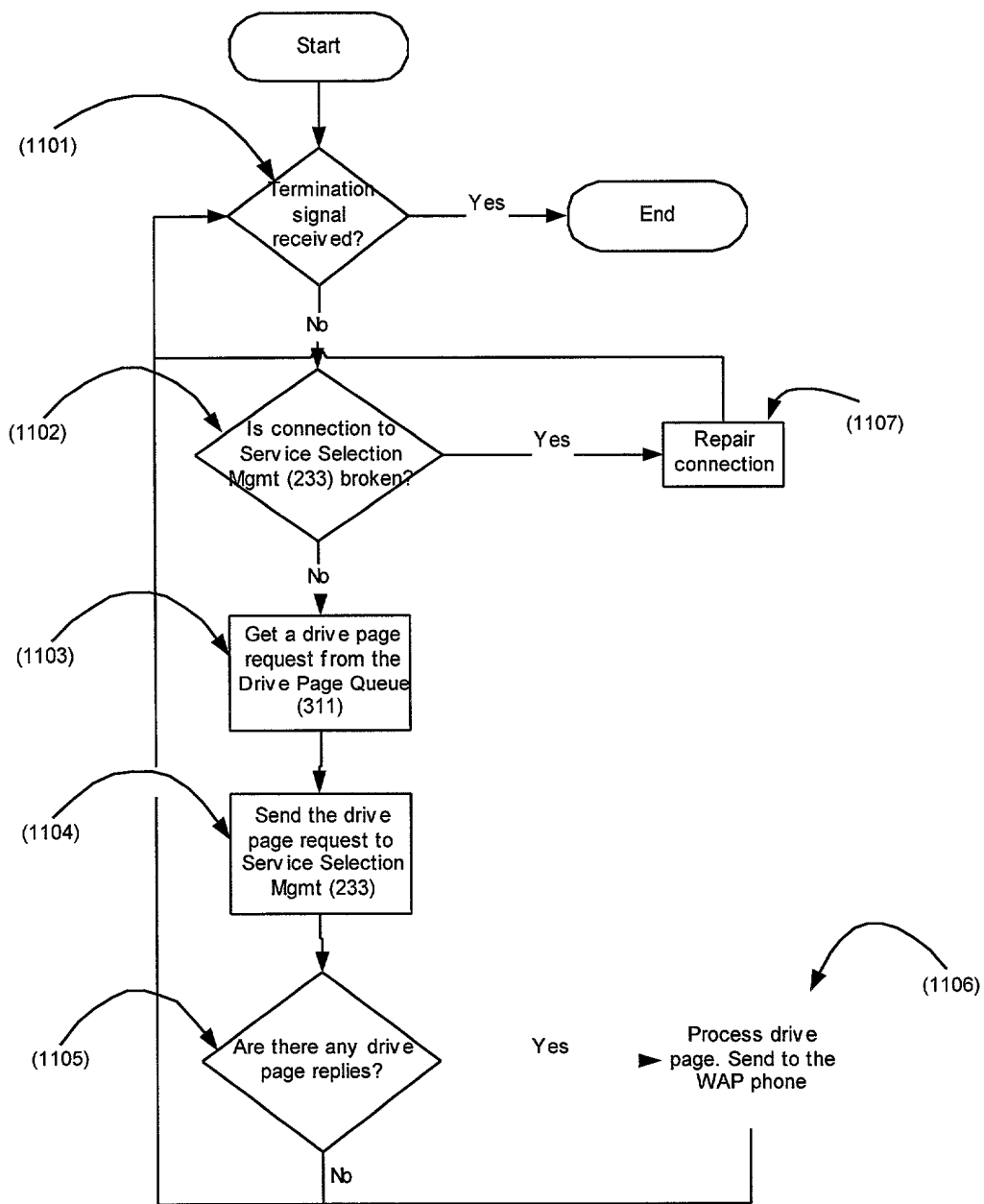


Figure 11 Flow Chart of Drive Page Thread (310)

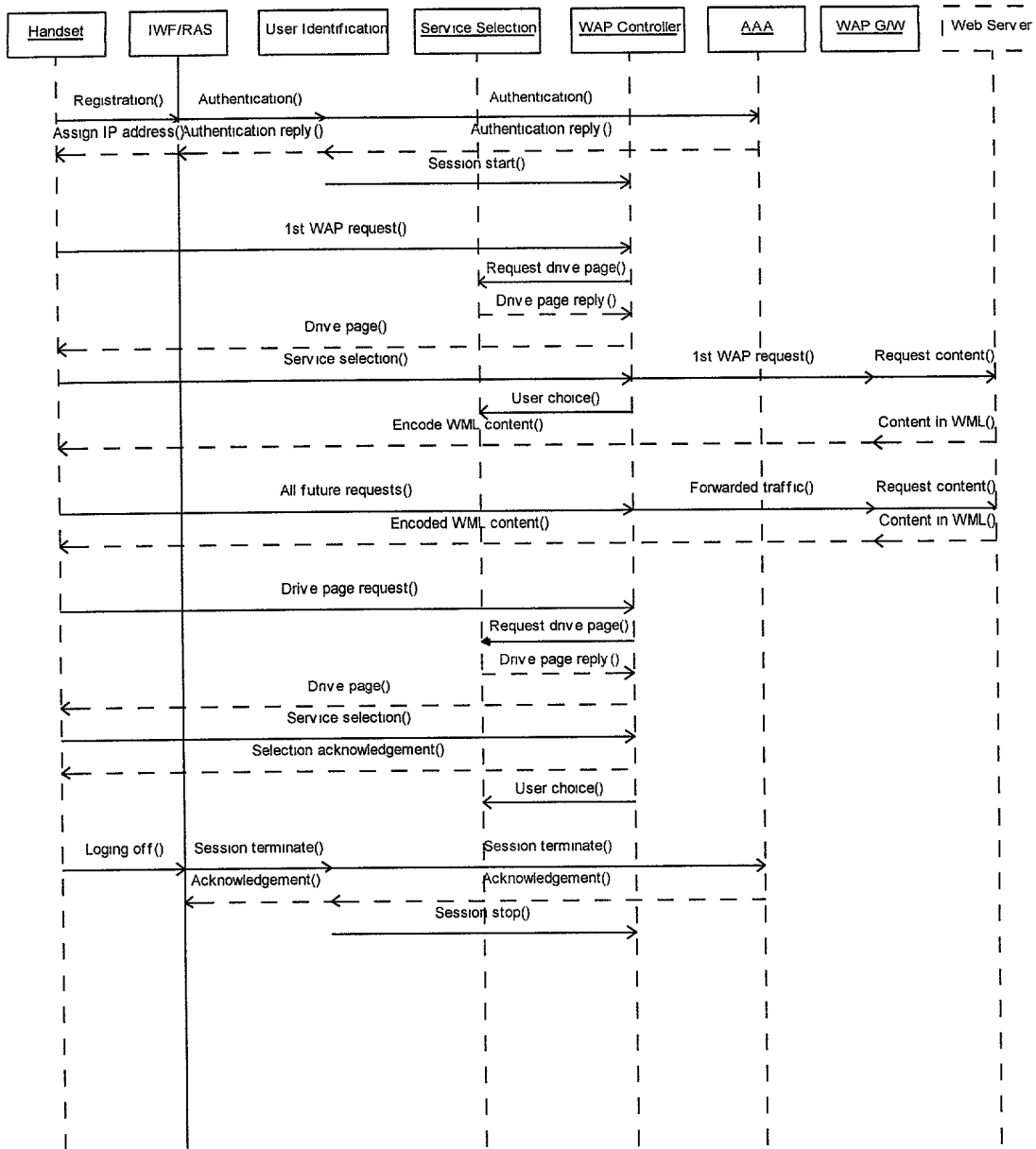


Figure 12 WAP Controller (234), User & Device Identification (232) and Service Selection Management (233) Message Sequence Diagram

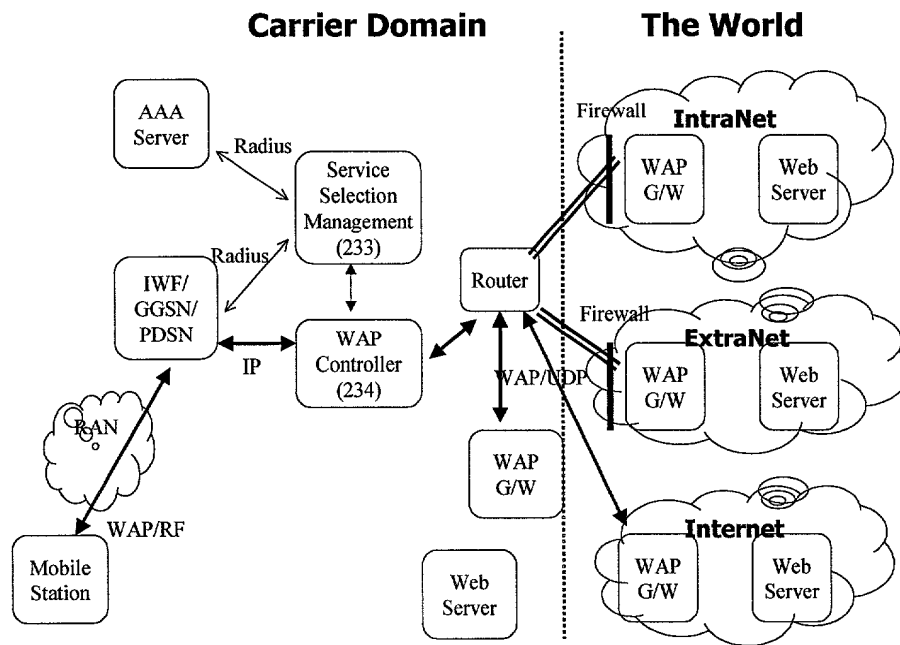


Figure 13 WAP Controller (234) and Service Selection Management (233) Deployment Scenarios

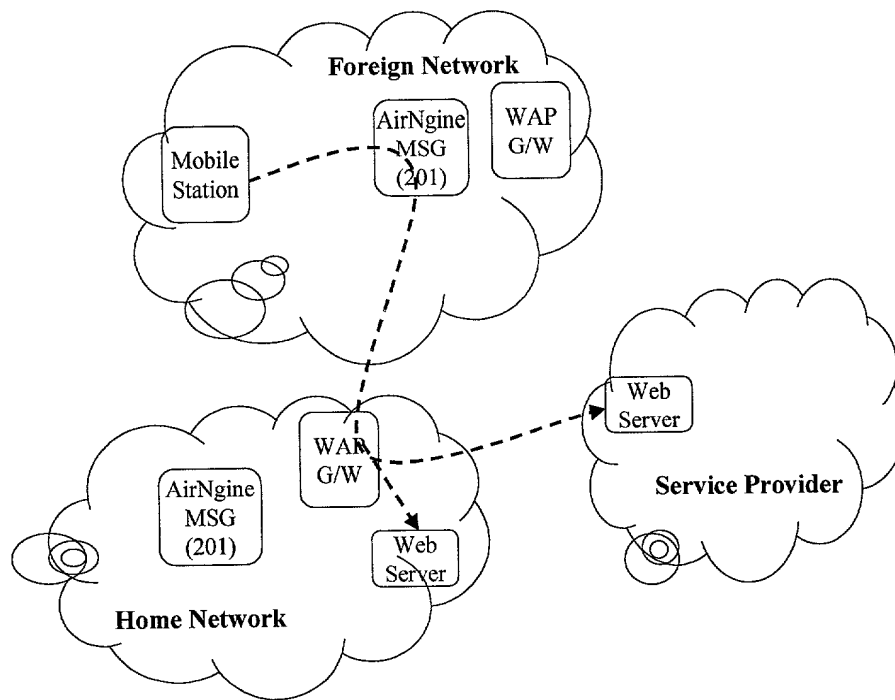


Figure 14 AirNgine MSG (201) in Roaming Scenario



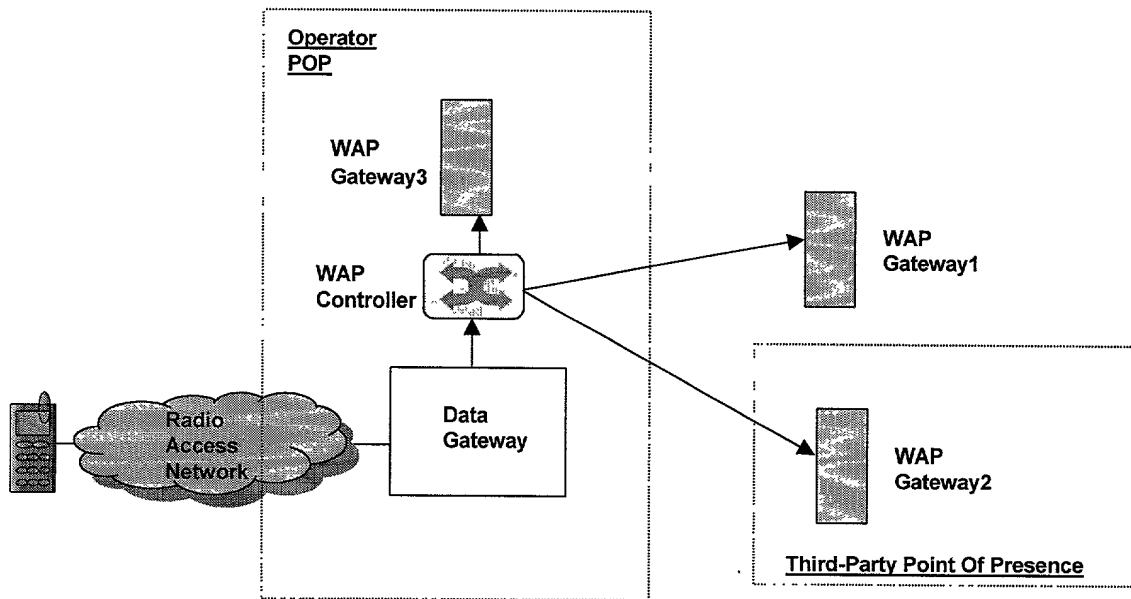


Figure 15 WAP Controller (234) within a Wireless Network External to Data Gateway

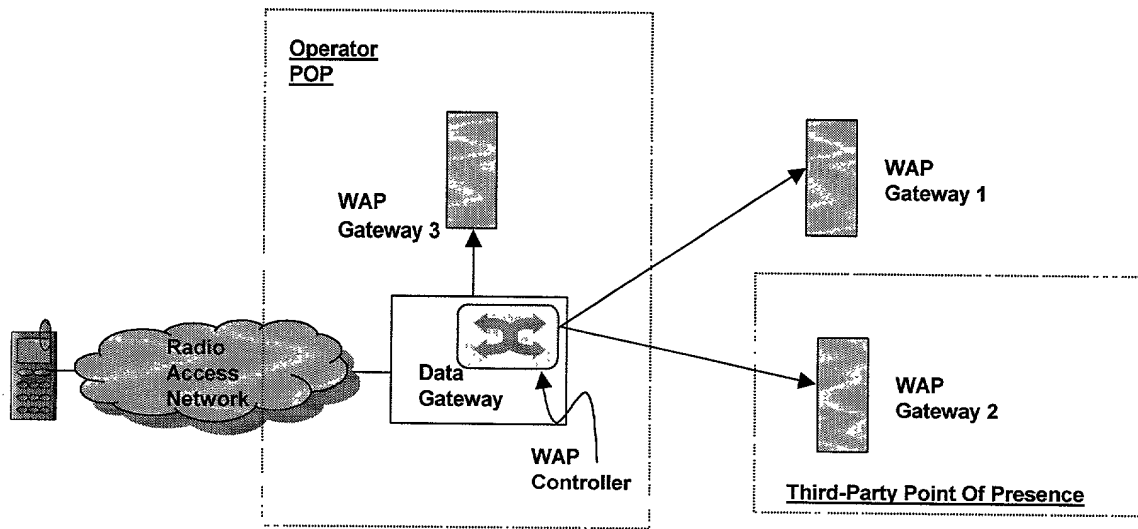


Figure 16 WAP Controller (234) embedded in Data Gateway within a Wireless Data Network